Central gateway
Central in-vehicle communication node

Cross domain communication and connected services

- The gateway is the secure central communication node, acts as a router (for in-vehicle communication and through the CCU to the outside) and is the gate for all data coming into the vehicle
- Due to the access to data, sensors and actors within the whole vehicle, the gateway is able to host upcoming vehicle functions and connected services
- Supports various bus systems (Ethernet, CAN, LIN)
- Security functions like firewall and intrusion detection to secure vehicle communication and connected services
- Enables remote diagnostic services and software updates to keep the vehicle up to date

security functions
The gateway protects the in-vehicle network against unauthorized access with various security concepts

integration
The central communication node “Gateway” is the home for the growing number of cross domain functions and IoT services